ASSESSMENT DAY

College of Workforce, Continuing and Adult Education

School of Occupational Apprenticeships

Electrical - Union Apprentice

April 4, 2017

Academic Assessment

	LEVEL	FOCUS	CONDUCTED BY	FREQUENCY
Academic Success Committee	Program	• Quality of assessment practices	Committee of peers	Years 1 & 2
Instructional Program Review	Program / Cluster	• Enrollment, retention, completion • Industry certifications and job placement • Program budget and staffing • Advisory committees • Curriculum changes	Committee of peers	Year 3
Assessment Day	Course/ Program	• Enrollment by demographics • Graduation and retention • Average class size • Course success rate • Placement rate • SLOs, PLOs and ILOs	Program Chair and Faculty	Years 1, 2, 3

Programs

[1072 - Electrical Apprentice - Union](#)

Action Items from Last Assessment Day

<u>Last Assessment Day: 11/13/2015</u>

1. Review data with IR and report back to the programs in all findings
2. Set appointments with each area to work on the program learning outcomes assessment
3. Brainstorm opportunities to make apprenticeships shorter (from 4 years to 3 years)
4. Provide information to advisors and recruiters to increase understanding and improve perception of the apprenticeships programs. Advisor on the Go?
5. Reaching out to the community
6. Alumni/marketing spotlight on apprenticeships
7. Electrical - Union specific:
   a. Revise program learning outcomes.
   b. Develop curriculum maps.
   c. Identify assessment measures.
   d. Collect results from this year in the summer.
   e. Provide list of students that complete the program so we can check if they are part of our number of graduates (name, birthday, last four-digit SS, completion year).

Electrical Apprentice - Union #1072
Program Learning Outcomes

Graduates of the program will be able to:

PLO 1: Demonstrate knowledge and ability to follow rules, regulations, OSHA and the National Electrical Code.
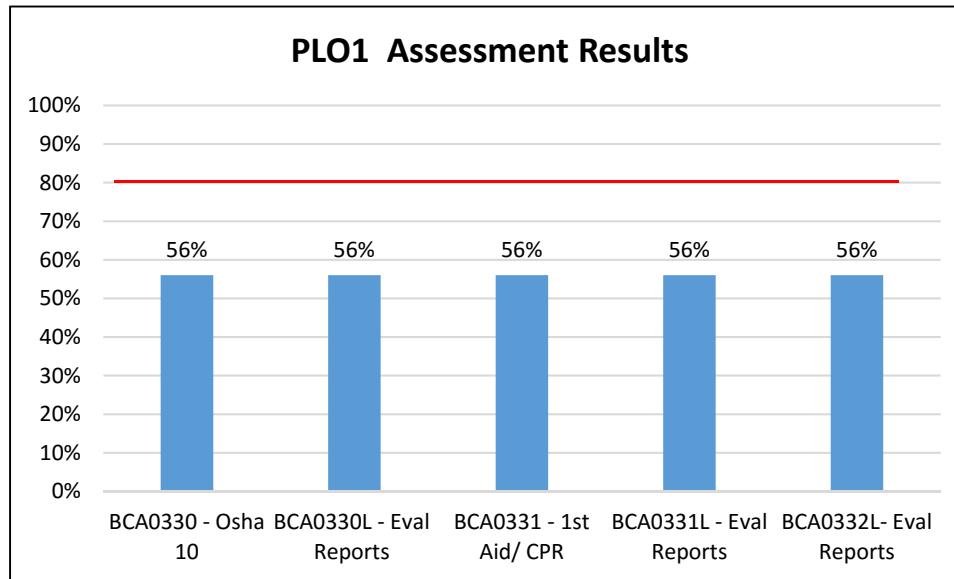
PLO 2: Identify and use different tools, equipment, materials and electrical products used in the trade.

PLO 3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety.

PLO 4: Demonstrate knowledge and skill in the residential, commercial and industrial markets.

PLO 5: Demonstrate the ability to plan and initiate projects related to the field.
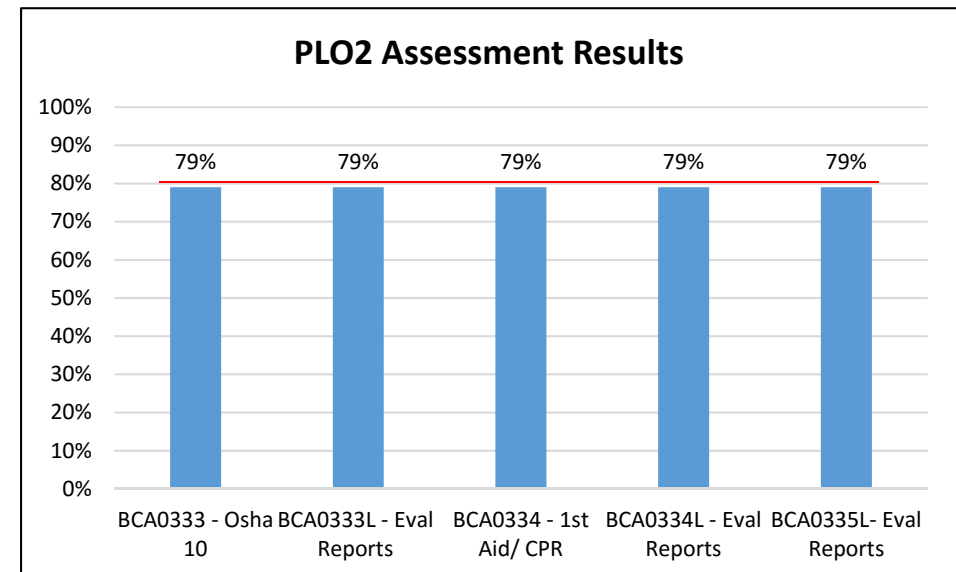
Assessment Results 2015-2016

PLO1 Assessment Results

Bars (all at 56%):
- BCA0330 - Osha 10: 56%
- BCA0330L - Eval Reports: 56%
- BCA0331 - 1st Aid/ CPR: 56%
- BCA0331L - Eval Reports: 56%
- BCA0332L- Eval Reports: 56%

PLO1: Demonstrate knowledge and ability to follow rules, regulations, OSHA and the National Electrical Code. *Target: 80% of student will achieve 75% or higher – Semifinal Osha 10. 80% of students will achieve 75% or higher in Eval reports*

Results are given in average

PLO2 Assessment Results

Bars (all at 79%):
- BCA0333 - Osha 10: 79%
- BCA0333L - Eval Reports: 79%
- BCA0334 - 1st Aid/ CPR: 79%
- BCA0334L - Eval Reports: 79%
- BCA0335L- Eval Reports: 79%

PLO2: Identify and use different tools, equipment, materials and electrical products used in the trade. *Target:80% of student will achieve 75% or higher – Semifinal Osha 10 80% of students will achieve 75% or higher in Eval reports*
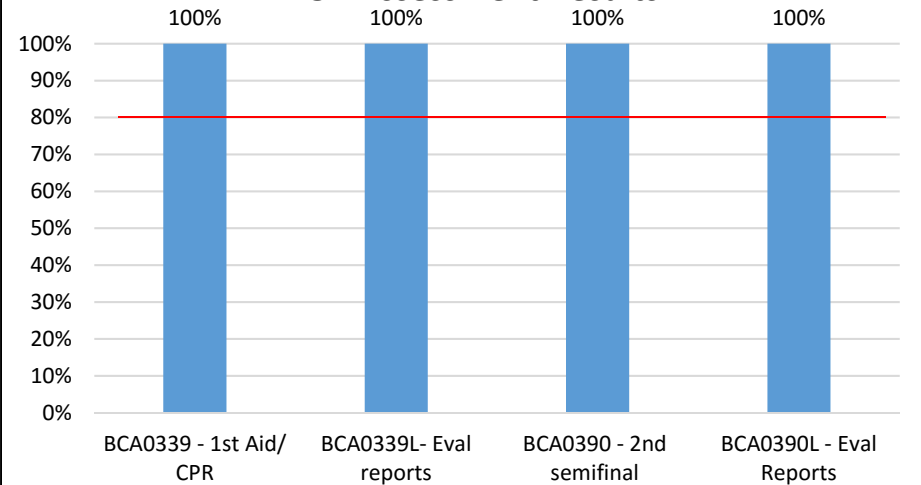
Assessment Results 2015-2016

PLO3 Assessment Results
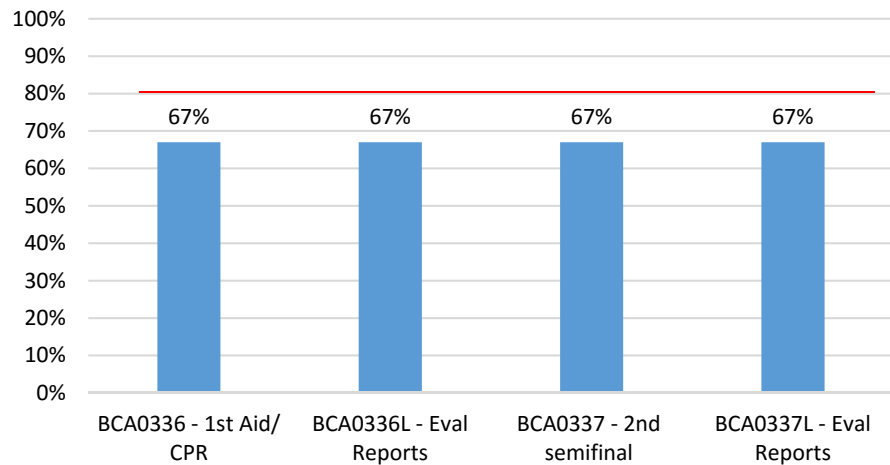
PLO3: Demonstrate proficiency in all aspects of the industry including but not limited to theory, application, troubleshooting and safety. *Target: 80% of student will achieve 75% or higher – Semifinal Osha 10. 80% of students will achieve 75% or higher in Eval reports*

PLO4 Assessment Results

PLO4: Demonstrate knowledge and skill in the residential, commercial and industrial markets. *Target:80% of student will achieve 75% or higher – Semifinal Osha 10. 80% of students will achieve 75% or higher in Eval reports*

Assessment Results 2015-2016

PLO5 Assessment Results
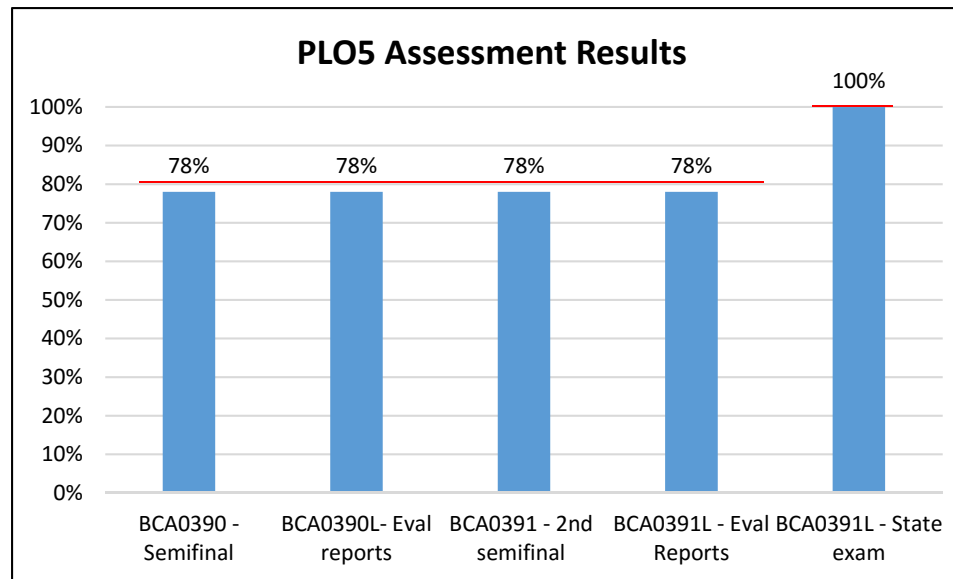
PLO5: Demonstrate the ability to plan and initiate projects related to the field.
Target: 80% of student will achieve 75% or higher – Semifinal Osha 10
80% of students will achieve 75% or higher in Eval reports
All students will have an up to date 1st Aid, CPR, and AED card. All students will have a Journeyman License

Assessment Data
Program vs. Institutional Learning Outcomes

Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and Technical Literacy	
	14/15	15/16	14/15	15/16	14/15	15/16	14/15	15/16
1072 - ELECTRICIAN APPR - UNION	NR	78%-100%	NR	78%-100%	NR	78%-100%	NR	78%-100%

NR: No Report

Source: School of Education Assessment Reports

Course Success Rates

Major and Associated Courses		2012-2013		2013-2014		2014-2015		2015-2016	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
1072 - ELECTRICIAN APPR - UNION	BCA0330	20	70%	18	78%	17	94%	18	67%
	BCA0330L	20	70%	18	72%	17	94%	18	83%
	BCA0331	15	87%	13	85%	17	82%	15	73%
	BCA0331L	15	87%	13	85%	16	75%	15	73%
	BCA0332L	13	92%	13	100%	12	92%	15	87%
	BCA0333	11	82%	14	71%	12	67%	15	87%
	BCA0333L	11	82%	14	86%	12	67%	15	93%
	BCA0334	9	100%	12	83%	8	88%	13	100%
	BCA0334L	9	100%	12	83%	8	88%	13	100%
	BCA0335L			9	100%	10	100%	7	71%
	BCA0336			9	100%	12	75%	5	80%
	BCA0336L			9	100%	12	75%	5	80%
	BCA0337			9	100%	9	100%	4	100%
	BCA0337L			9	100%	9	100%	4	100%
	BCA0338	7	86%			9	100%	9	100%
	BCA0338L	7	86%			9	100%	9	100%
	BCA0339	7	100%			9	100%	9	100%
	BCA0339L	7	100%			9	100%	9	100%
	BCA0390	6	100%			9	100%	9	78%
	BCA0390L	6	100%			9	100%	9	78%
	BCA0391	9	89%	6	100%			9	100%
	BCA0391L	9	89%	6	100%			9	100%
	Major Total	309	87%	302	88%	363	88%	265	88%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Course Success Rates in the Major by Instructional Method

Major and Instructional Method		2012-2013		2013-2014		2014-2015		2015-2016	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
1072 - ELECTRICIAN APPR - UNION	Lecture	112	84%	109	86%	141	86%	106	86%
	OJT	197	88%	193	89%	222	90%	159	89%
	Major Total	309	87%	302	88%	363	88%	265	88%

Source: IR Program Assessment Data

Average Class Size by Course

Major and Associated Courses		2012-2013		2013-2014		2014-2015		2015-2016	
		Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
1072 - ELECTRICIAN APPR - UNION	BCA0330	1	20	1	18	1	17	1	18
	BCA0331	1	15	1	13	1	17	1	15
	BCA0333	1	11	1	14	1	12	1	15
	BCA0334	1	9	1	12	1	8	1	13
	BCA0336			1	9	1	12	1	5
	BCA0337			1	9	1	9	1	4
	BCA0338	1	7			1	9	1	9
	BCA0339	1	7			1	9	1	9
	BCA0390	1	6			1	9	1	9
	BCA0391	1	9	1	6			1	9
	Total	14	8	13	8	15	9	10	11

Blank cells or missing years indicate no enrollment.
To prevent data from skewing, excludes, labs, clinicals, private/performance, open lab, co-op, DIS, and internships.

Performance Funding - Retention Rates

Program and Year		Registered	Exclusions	Adjusted Cohort	Retained by DSC		Retained by Program		Total Retained
					N	%	N	%	%
1072 ELECTRICIAN APPR - UNION	2011	37	5	32	0	0%	15	46.88%	46.88%
	2012	38		38	0	0%	20	52.63%	52.63%
	2013	40		40	0	0%	30	75.00%	75.00%
	2014	49	9	40	1	2.50%	27	67.50%	70.00%

Less than College average (FT- 60.48%, PT- 52.08%)

Registered - Includes all students enrolled in the fall term of the specified year, with the specified program as their primary major.

Exclusions - Includes students who are deceased or graduated fall of the specified year or the following spring or summer.

Not retained - Students who were not registered the following fall term.

Retained by DSC - Students who were still registered at DSC the following fall but with a different primary major.

Retained by Program - Students who were registered the following fall with the same primary major.

Source: IR Program Assessment Data

Performance Funding - Placement Rates									
Program	**Major**	**2010/11**		**2011/12**		**2012/13**		**2013/14**		**Average Annual Salary**
		DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	
ELECTRICIAN	**1071, 1072**	**60%**	**88%**	**87%**	**90%**	**73%**	**91%**	**89%**	**80%**	**$39,212**

Indicates the College average above the State Averages
Indicates the College average same as the State Averages
Indicates the College average below the State Averages

*Currently Inactive Program
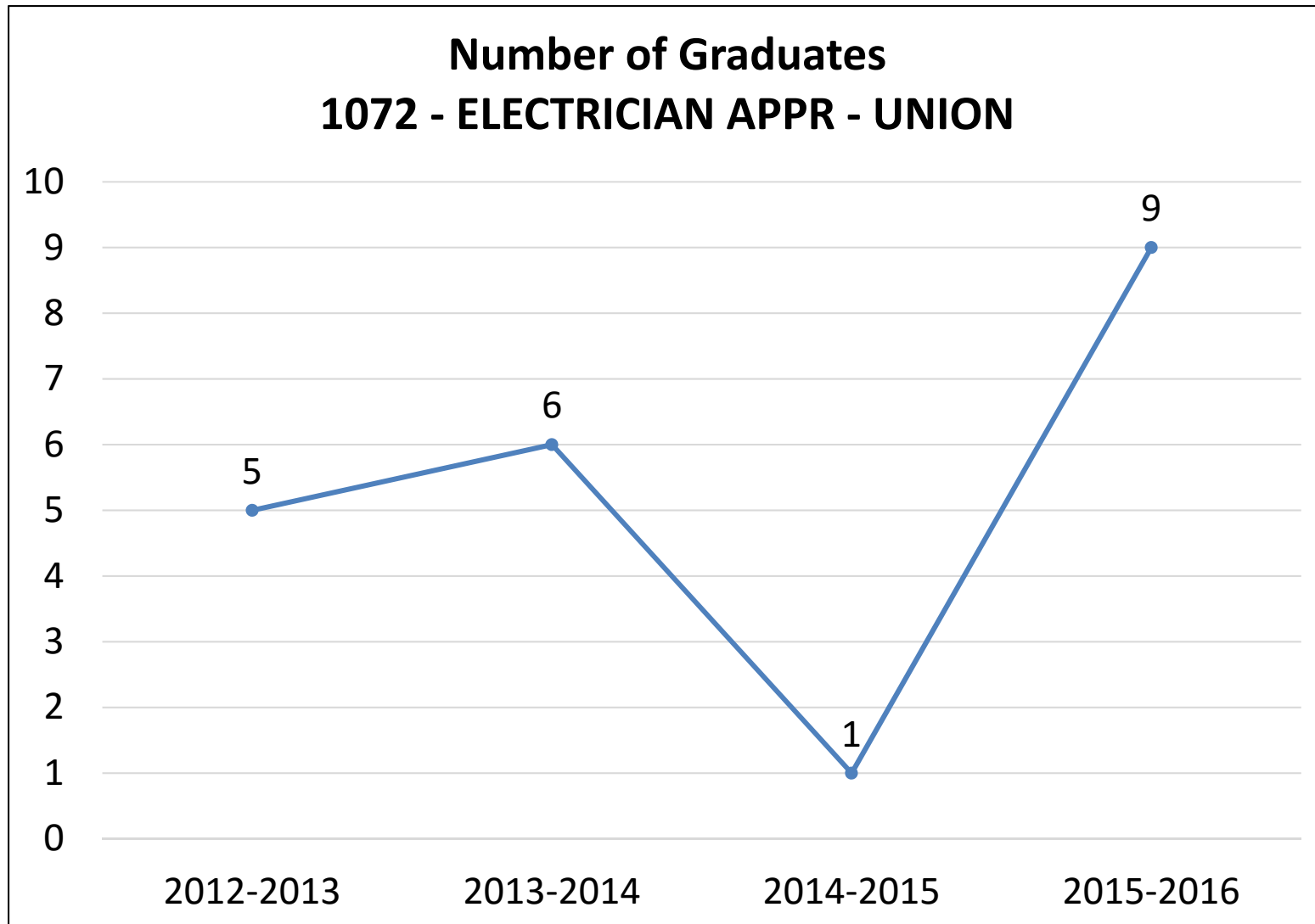N/A - No placement data for the program.
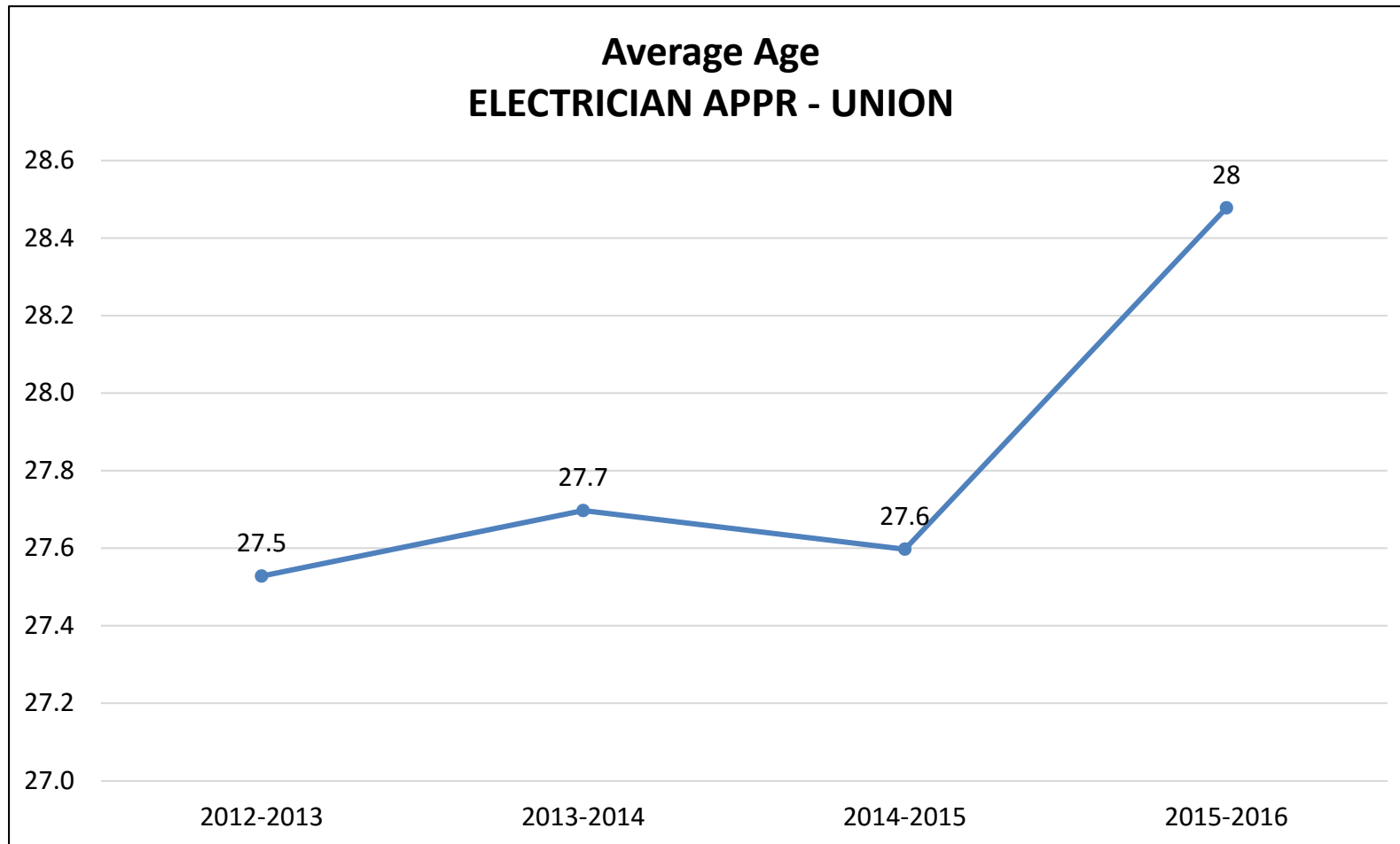$**,*** Less than 10 graduates found employed.

Source: IR Program Assessment Data

Headcount in Major
1072 - ELECTRICIAN APPR - UNION
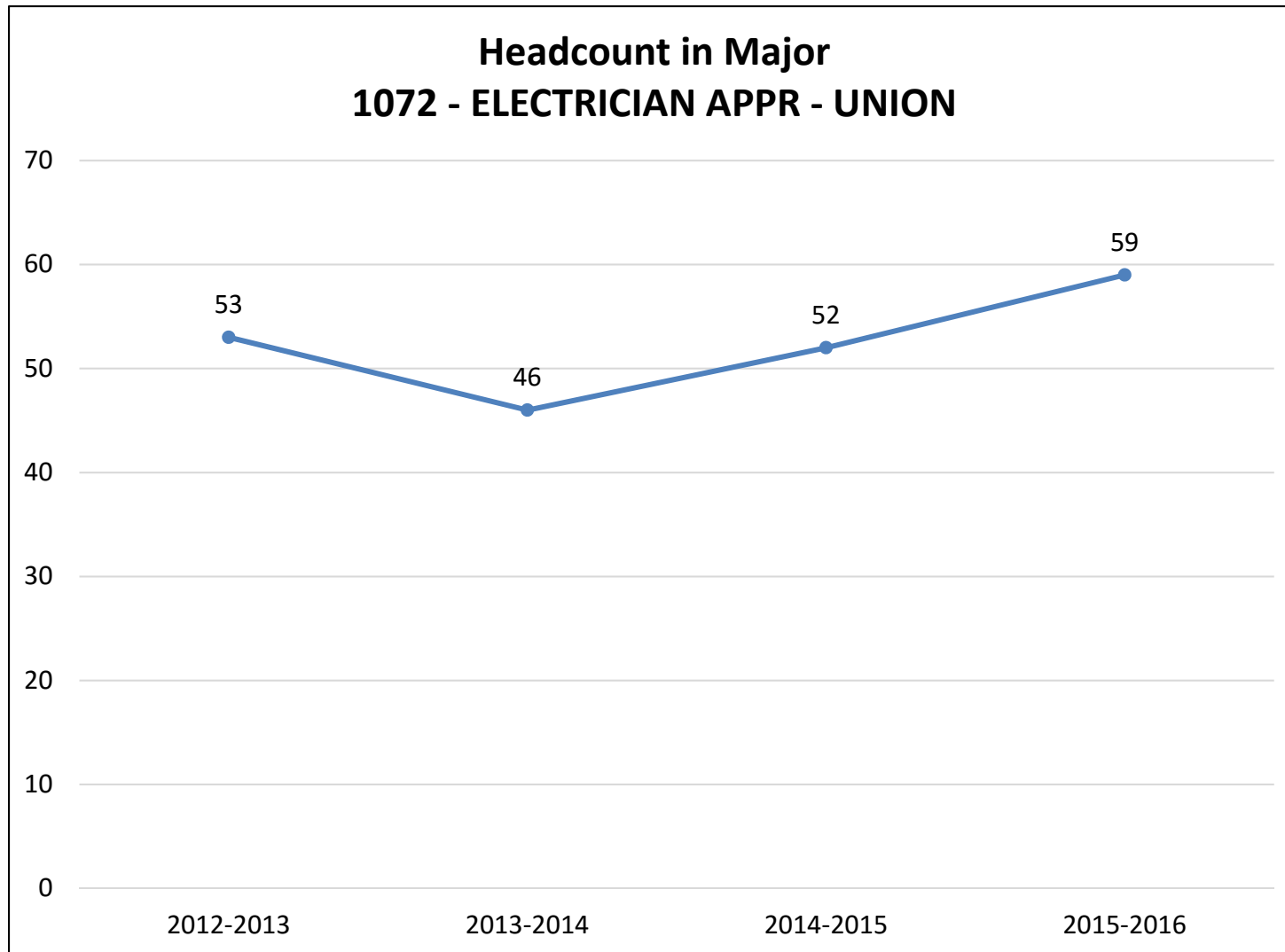
College Enrollment Decreased: 7.9%(12/13); 3%(13/14); 0.73%(14/15); 1.14% (15/16)

Source: IR Program Assessment Data

Number of Graduates
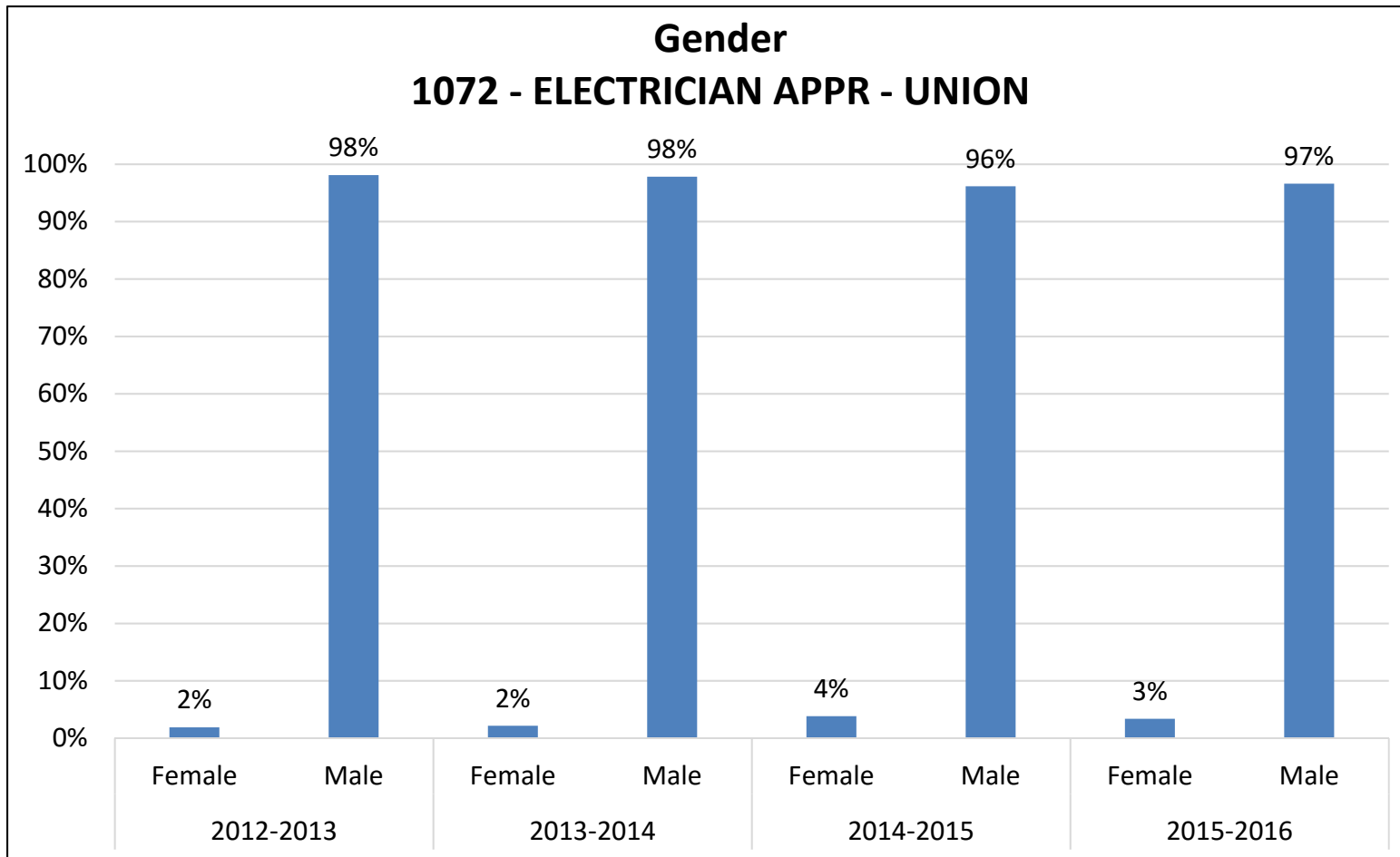**1072 - ELECTRICIAN APPR - UNION**

Source: IR Program Assessment Data

Average Age
ELECTRICIAN APPR - UNION

	2012-2013	2013-2014	2014-2015	2015-2016
All Programs	32	32	32	32
Daytona State College	26.7	26.6	26.4	26

Calculation excludes individuals whose birthdates are not reported.
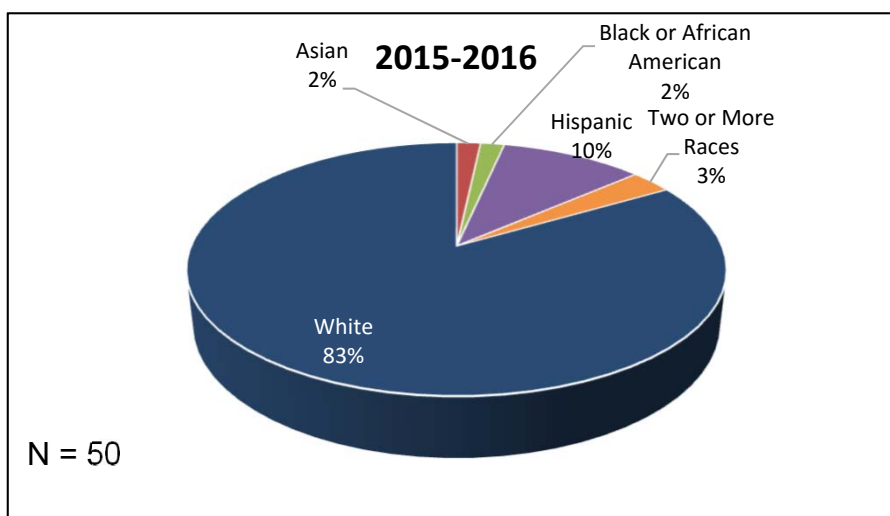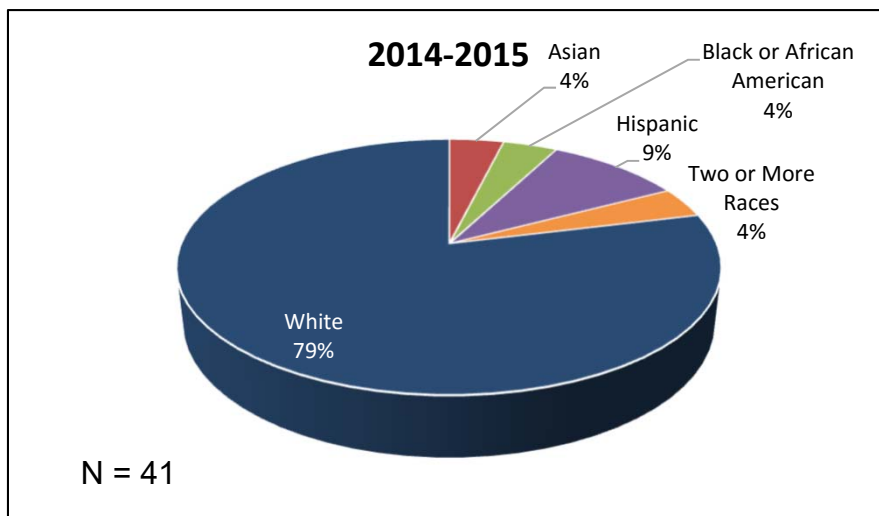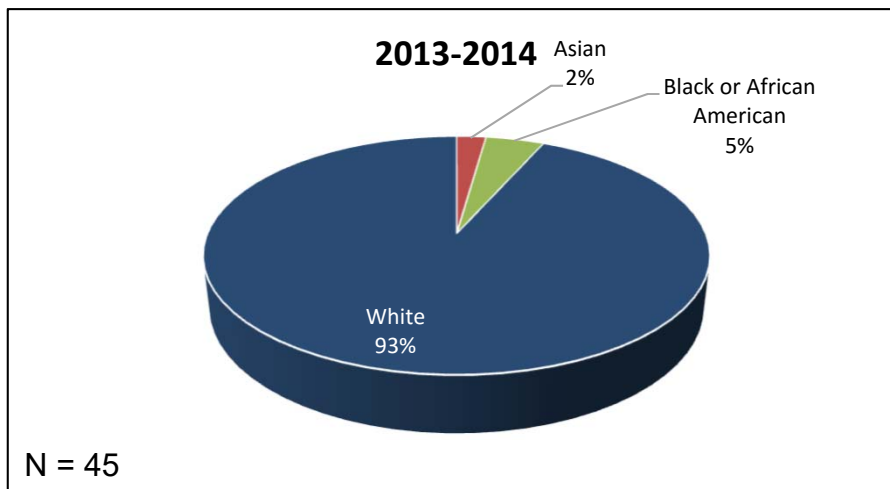
Source: IR Program Assessment Data

Gender
1072 - ELECTRICIAN APPR - UNION

Major	2012-2013		2013-2014		2014-2015		2015-2016	
	Female	Male	Female	Male	Female	Male	Female	Male
Daytona State College	60%	40%	59%	41%	60%	40%	60%	40%

Excludes individuals whose gender is not reported.

Source: IR Program Assessment Data

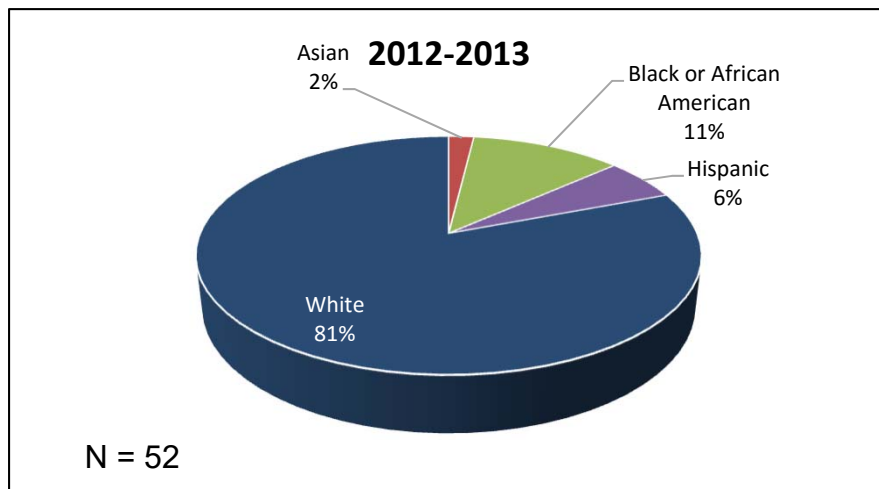# Race / Ethnicity by Program

2012-2013
Asian 2%
Black or African American 11%
Hispanic 6%
White 81%
N = 52

2013-2014
Asian 2%
Black or African American 5%
White 93%
N = 45

2014-2015
Asian 4%
Black or African American 4%
Hispanic 9%
Two or More Races 4%
White 79%
N = 41

2015-2016
Asian 2%
Black or African American 2%
Hispanic 10%
Two or More Races 3%
White 83%
N = 50

DSC Averages 2015-2016						
Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0%	2%	14%	14%	0%	2%	66%

Excludes individuals whose race / ethnicity is not reported.

Source: IR Program Assessment Data